

# PATENT ABSTRACTS OF JAPAN

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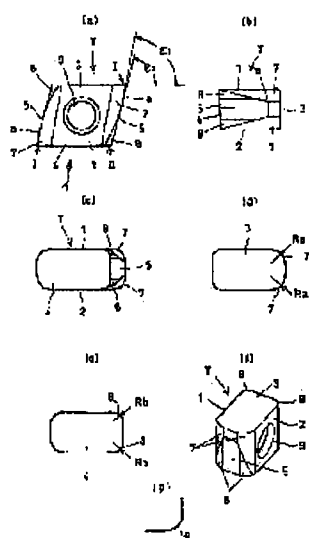
(54) THROWAWAY TIP AND PIN MIRROR CUTTER USING IT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a throwaway tip for a pin mirror cutter, which

can be used at eight corners, is economically excellent and can improve its machinability and cutting accuracy by making the axial face angle of external peripheral cutting edge positive.

SOLUTION: The side faces 5 and 6 of a negative tip which is a parallelogram basically are formed by two faces ranging an angle at a point (a) and have a first tip angle  $\epsilon_1$  and a second tip angle  $\epsilon_2$ . R faces 7 and 8 are formed independently of each other in the section where the acute angle corner side section made by the side faces 5 and 6 and upper and lower faces 1 and 2 intersect and the section where an obtuse angle corner section and the upper and lower faces intersect.



and 2 intersect and the section where an obtuse angle corner section and the upper and lower faces intersect.

Fig.1